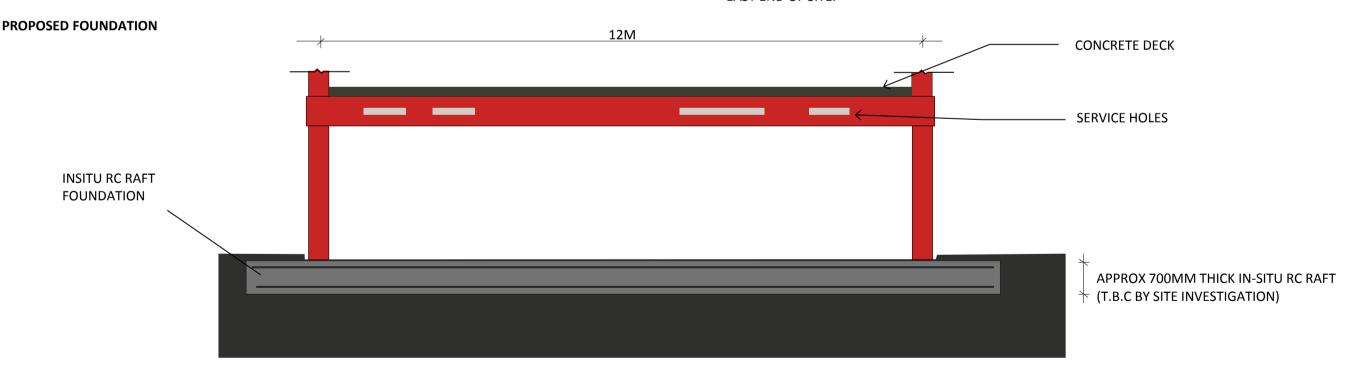
MIDLAND CRESCENT CONCRETE/ STEEL BASEMENT TRANSFER OUTLINE STRUCTURAL SCHEME -STRUCTURAL PHILOSOPHY STRUCTURE. COMBINATION OF STEEL FRAME WITH CLT FLOOR PANELS. ALL CLT LOAD BEARING PANELS. CLT LOAD BEARING WALLS WITH CLT LOAD BEARING 4th Floor FLOOR PANELS. CONCRETE/STEEL-SUPERSTRUCTURE 3rd Floor 2nd Floor 1st Floor 1st Floor Ground Floor -1st Floor -1st Floor -2nd Floor -2nd Floor

SCHEME INCLUDES

- CONCRETE RAFT
- CONCRETE OR STEEL FRAME CONSTRUCTION FROM B-2 TO B-1/GROUND
- STEEL + CLT CONSTRUCTION TO THE EAST OF THE SITE.
- CLT FRAME IN CELLULAR AREAS.

- ✓ CLT IS LIGHTWEIGHT, PREFAB SYSTEM WITH MINIMAL CONDUCTIVE ELEMENTS
- ✓ CLT HAS LOW EMBODIED ENERGY AND WELL SUITED TO CELLULAR ROOM ARRANGEMENTS.
- X STEEL/CONCRETE
 FRAMING ELEMENTS
 REQUIRED TO ACHIEVE
 LONG CLEAR SPANS AT
 LOWER GROUND AND
 EAST END OF SITE.



TYPICAL SECTION

- FOUNDATIONS TO BE CONFIRMED BY SITE INVESTIGATIONS
- USE OF LIGHTWEIGHT STEEL/ CLT SUPERSTRUCTURE MAKES RAFT FOUNDATION FEASIBLE. THIS OFFERS SIGNIFICANT ADVANTAGES OVER A PILED SCHEME FOR A RESTRICTED SITE SUCH AS THIS.

Project Title		Midland crescent	
Project N°		30030	
Sketch N°		SSK05	
Title		Structural options	
Scale		NTS	
Eng:	Rev:	Date:	Checked
LC	P03	20/08/14	AW

RAMBOLL